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ABSTRACT

A load distribution failure recovery device allowing the failure recovery process to be executed at the high performance rate and in a short time is disclosed. A link state memory retrievably stores link state information of the connection-oriented network. The link state database is used to dynamically calculate an alternate route for failure recovery when a failure notification is received. A route candidate memory retrievably stores a plurality of route candidates for each of possible endpoint nodes. A load distribution route calculator determines a route for a normally set up connection such that a route having a relatively small load is selected from a plurality of route candidates with a relatively high probability.